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**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Andrew J. MOSS

Group Art Unit: 2121

Application No.: 10/766,003

Examiner: J. NORTON

Filed: January 29, 2004

Docket No.: 118414

For: IMPROVING STABILITY AND RESPONSE OF CONTROL SYSTEMS

**REQUEST FOR RECONSIDERATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the February 14, 2006 Office Action, reconsideration of the rejection is respectfully requested in light of the following remarks.

Claims 1-16 are pending in this application.

**I. §102(b) Rejection of Claims 1-3, 5, 7-9, 11 and 13-16**

Claims 1-3, 5, 7-9, 11 and 13-16 are rejected under 35 U.S.C. §102(b) as unpatentable over U.S. Patent 3,856,034 to Itoh ("Itoh"). This rejection is respectfully traversed.

Independent claim 1 recites a control system for supplying a control signal (c) to a controlled apparatus (P), the system including, *inter alia*, "**a controller (4) operable to receive the error signal (e) and a gain signal (k), and to output a control signal (c) in dependence upon the values thereof, wherein a gain selection means (6) is provided, which gain selection means is operable to receive the error signal (e) and to output a gain signal (k) to the controller (4) in dependence upon the value of the error signal (e)**"